PARABAFFLE plus **MPA2G36LP3FT**

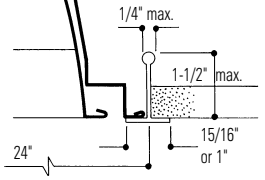
2'x2' RECESSED FLUORESCENT, 1 1/2" DEEP, 36 CELL PARABOLIC LOUVER
STATIC OR AIR SUPPLY/RETURN, 2 OR 3 LAMP, TWIN TUBE T5

FEATURES

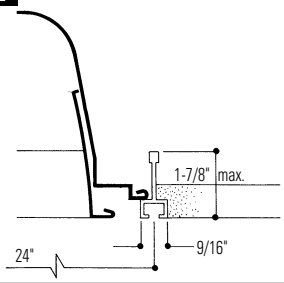
- 5" deep body.
- 3 1/2" x 3 1/2" cell size.
- 62.9% efficient.
- Clean contoured interior.
- Eyeleted heat removal vents in fixture ends.
- One-piece housing has ribbed construction for added strength.
- Hemmed over side rails for safe handling.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips (patent no. 5,072,344).
- Pre-anodized aluminum parabolic louver.
- Vertical grain louver eliminates reflected lamp images on cross baffle.
- Spring-loaded rooster head latches.
- 18 gauge steel hinges.
- Louver frame with integral positive light stop.
- Louver has protective film dust guard.
- Construction to meet Chicago Plenum is available.

MOUNTING METHODS

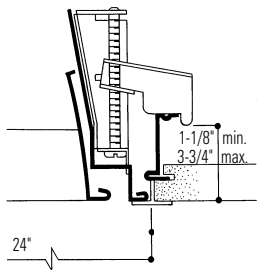
G exposed T-grid ceiling.



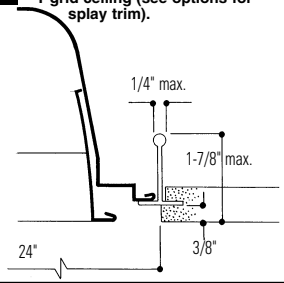
T exposed slot T-grid ceiling.



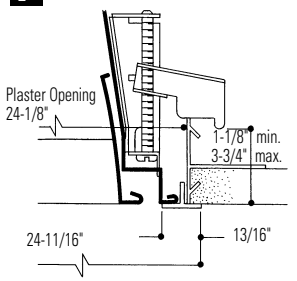
F concealed Z-spline ceiling.



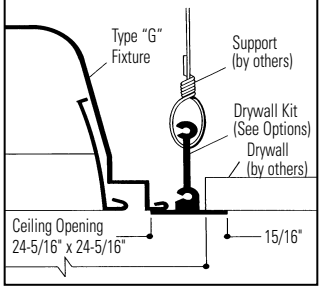
T direct concealed two directional T-grid ceiling (see options for splay trim).



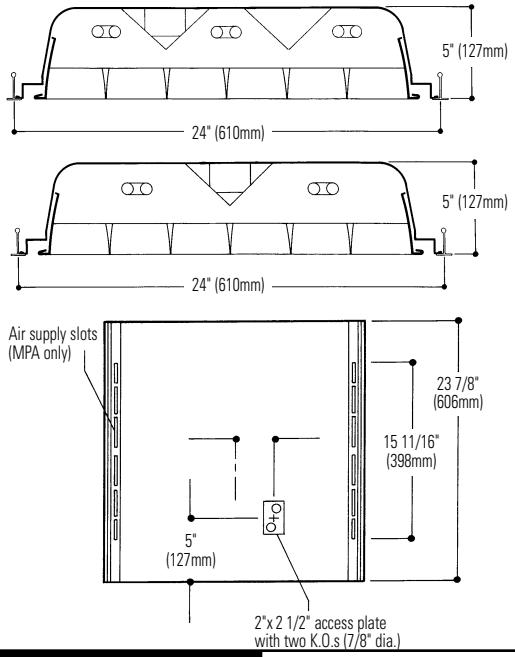
F plaster ceiling/flanged.



drywall kit. (See options)



DIMENSIONS



Job Information **Type:**

Job Name:

Cat. No.:

Lamp(s):

Volts/Ballast:

Lightolier a Genlyte Thomas Company www.lightolier.com
Technical Information: (978) 657-7600 • Fax (978) 658-0595
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
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LIGHTOLIER®

2'x2' RECESSED FLUORESCENT, 1 1/2" DEEP, 36 CELL PARABOLIC LOUVER STATIC OR AIR SUPPLY/RETURN, 2 OR 3 LAMP, TWIN TUBE T5

PHOTOMETRY

MODEL NO. MPA2G36LP3FT

Luminaire Efficacy Rating
LER-52.6 Watts-99.4 BF-0.88

GL TESTING LABORATORY

45 Industrial Way
Wilmington, MA 01887
(978) 657-7600

REPORT NO.: G00047 DATE: 03-22-2000
CATALOG NO.: MPA2G36LP3FT120X3
LAMP(S): 3 F40/BIAX, EACH RATED 3150 LUMENS.
LUMINAIRE: NEW 2X2 TROFFER WITH **SEMI-SPECULAR LOUVER AND 2 COVER; 3 B**
TRIAD C3401120
0.84 AMPS 99.4 WATTS

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	2790	2790	2790	2790	2790	
5	2784	2776	2763	2755	2758	262
15	2619	2603	2667	2803	2854	766
25	2343	2374	2662	2912	2987	1222
35	1973	2119	2417	2486	2465	1433
45	1519	1718	1696	1482	1468	1228
55	922	1034	816	817	882	798
65	129	189	210	162	137	206
75	24	25	23	26	27	28
85	5	5	5	5	5	6
90	0	0	0	0	0	

ZONAL LUMEN SUMMARY

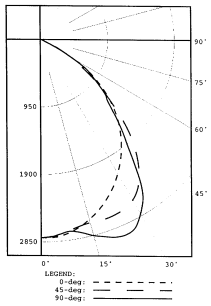
ZONE	LUMENS	%LAMP	%FIXT
0- 30	2250	23.8	37.8
0- 40	3683	39.0	61.9
0- 60	5709	60.4	96.0
0- 90	5948	62.9	100.0
90-180	0	0.0	0.0
0-180	5948	62.9	100.0

TOTAL LUMINAIRE EFFICIENCY = 62.9 %
TOTAL REFLECTANCE OF PAINT = 90.0 %
CIE TYPE - DIRECT

PLANE	0-DEG	90-DEG
SPACING CRITERIA	1.2	1.4
SHIELDING ANGLES	25	30
PLANE	0-DEG	90-DEG
LUMINOUS LENGTH	21.000	21.000

LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	7548.	8427.	7294.
55	5648.	4998.	5403.
65	1072.	1746.	1139.
75	326.	312.	367.
85	202.	202.	202.



THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCECURES • FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

coefficients of utilization — zonal cavity method

RF	20			20			20		
RC	80			50			30		
RW	70	50	30	50	30	10	50	30	10
1	70	68	66	64	63	61	62	60	59
2	65	61	58	58	55	53	56	54	52
3	60	55	51	52	49	46	51	48	46
4	56	50	45	47	44	41	46	43	40
5	52	45	40	43	39	36	42	38	36
6	48	41	36	39	35	32	38	35	32
7	45	37	33	36	32	29	35	31	29
8	42	34	30	33	29	26	32	29	26
9	39	32	27	31	26	24	30	26	23
10	37	29	25	28	24	22	28	24	21

room cavity ratio

visual comfort probability (VCP) average 100 fc; reflectances 80/50/20

room size		luminaries lengthwise: ceiling height				luminaries crosswise: ceiling height			
W	L	8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
20	20	71	63	55	59	74	66	59	62
20	30	74	67	60	54	76	69	63	57
20	40	77	70	65	58	79	72	66	60
20	60	78	72	68	62	80	74	69	64
30	20	77	69	58	59	79	71	61	62
30	30	79	72	63	55	80	73	64	57
30	40	80	74	67	59	82	76	68	60
30	60	82	76	69	62	83	77	70	63
30	80	83	78	72	65	84	79	73	66
40	20	79	72	63	61	81	74	66	63
40	30	81	75	67	57	83	76	69	59
40	40	82	77	70	61	84	78	71	62
40	60	83	79	73	64	85	80	74	65
40	80	84	80	75	66	85	81	75	67
40	100	85	81	76	69	86	82	77	69
60	30	82	77	70	61	83	78	71	63
60	40	83	79	73	64	84	80	73	65
60	60	84	80	75	67	85	81	75	68
60	80	85	81	76	69	86	82	77	70
60	100	86	82	78	71	87	83	78	72
100	40	84	79	74	67	85	80	75	68
100	60	85	80	76	70	86	81	77	70
100	80	86	82	78	72	87	83	79	72
100	100	87	83	80	74	87	84	80	74

ORDERING INFORMATION

Explanation of Catalog Number. Example: MPA2G36LP3FT120X3RF

MP — **PARABAFFLE 1-1/2" PARABOLIC:** Pre-anodized aluminum louver

[ ] — **BODY STYLE:** **A**=Air Supply **S**=Static

2 — **FIXTURE WIDTH**

[ ] — **CEILING TYPE:** **G**= Grid (lay-in T bar) **F**=Flanged (overlap) Z spline and plaster frame **T**=Slot grid or two-directional concealed T (see options)

36 — **NUMBER OF CELLS**

[ ] — **LOUVER FINISH*:** **L**= Low Iridescence Semi-specular (standard) **P**= Low Iridescence Specular **W**= White Baked Enamel

P — **DUAL "V" REFLECTOR**

[ ] — **LAMP QUANTITY** **2**=2 Lamp **3**=3 Lamp

FT — **LAMP TYPE/ FIXTURE LENGTH:** Twin Tube T5 (Nominal 24")

[ ] — **VOLTAGE:** 120 or 277

[ ] — **BALLAST TYPE:**

	<20THD	<10THD
1 & 2 Lamp Elec. TT5 (40 Watt)	**SB***	**IB***
1-3 Lamp Elec. TT5 (40 Watt)	**X3***	**I3***
LOL TT5 Dimming	**PB**	–

*Instant Start Standard
Other dimming options. Consult factory.

[ ] — **OPTIONS:** Add appropriate suffix to catalog no, ie: (RF)

OPTIONS & ACCESSORIES

PLASTER FRAME: Catalog Number: **PF22**.
CONTINUOUS ROW INSTALLATION: For F type fixtures, half-width flanges are required between fixtures. Order Catalog Number: **S2FCTRIM** (each joint).
SPLAY TRIM: For T ceiling type only. SUFFIX: **CTZ22 S2 SPLAY TRIM**.
RADIO INTERFERENCE FILTER: 120 or 277 volt, 50 or 60 Hz. One per fixture standard. SUFFIX: **RF**.
ELECTRICAL/WIRING OPTIONS: Consult factory.
AIR CLOSURE STRIP: SUFFIX: **ACS2** (factory installed).
DRYWALL KIT: Order Catalog Number: **FK92X2**. (Request Folio OA30-10)
CHICAGO PLENUM: SUFFIX: **CP**.

SPECIFICATIONS

PERFORMANCE: In an installation of 3 lamp 40W luminaires in a room cavity ratio of 1, with reflectance of 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .68. To prevent glare the VCP shall be not less than 84 either lengthwise or crosswise (at 100fc level) and the average brightness at 65° shall not exceed 1746 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 62.2%.
AIR HANDLING (MPA only) side air passages for air supply or air return. Supply air is discharged vertically. Optional side closure strips. Air return is also provided through the lamp compartment through fixture body ends.

SPECIFICATIONS (continued)

MATERIALS: Chassis parts are die-formed code gauge cold rolled steel. Housing is ribbed for rigidity with side rails hemmed over and housing ends turned-in for safe handling. **Louver** is pre-anodized aluminum (Coilzak® or equal).
FINISH: Chassis exterior–black baked polyester enamel. Cavity– white baked polyester enamel minimum 86% reflectance. Phosphate undercoating.
Louver–low iridescence semi-specular anodized vertical grain aluminum reflector sheet is standard.
ELECTRICAL: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.
LABELS: I.B.E.W. UL and ULc Listed.

Job Information	**Type:**

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